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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A composite sensor device including an angular velocity sensor and an acceleration sensor comprising:

a substrate;

a displacement portion forming member disposed on a-the substrate, the displacement portion forming member including a vibrator for an angular velocity sensor, to be vibrated and displaced by a Coriolis force caused by an angular velocity and a movable member for an acceleration sensor, to be movably displaced by application of an acceleration, the vibrator and the movable member being spaced from each other; and

a lid disposed on an upper side of the displacement portion forming member to cover and be spaced from the vibrator of the angular velocity sensor and the movable member of the acceleration sensor, and; wherein

the substrate, the displacement portion forming member and the lid, defining define a space for accommodating and sealing the vibrator of the angular velocity sensor and the movable member of the acceleration sensor, in such a manner that the vibrator and the movable member can be vibrated, the space being sectioned into an angular velocity sensor space for accommodating and sealing the vibrator of the angular velocity sensor and an acceleration sensor space for accommodating and sealing the movable member of the acceleration sensor which is not communicated with the angular velocity sensor space, wherein the angular velocity sensor space is sealed in a first environment and wherein the acceleration sensor space is sealed in a second, different environment.

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the angular velocity sensor space is sealed in a vacuum state in which the vibrator of the angular velocity sensor can be vibrated at a high frequency in the kHz range or greater and at an amplitude that is greater than a desired value;

the acceleration sensor space is sealed in an atmospheric pressure state for preventing high-frequency vibrations in which the movable member of the acceleration sensor can be vibrated at a low frequency of 100 Hz or less, and the movable member of the acceleration sensor is prevented from vibrating at a high frequency in the kHz range or greater and at an amplitude that is greater than the desired value even when vibrations of the vibrator of the angular velocity sensor are transmitted to the movable member of the acceleration sensor;

the angular velocity sensor and the acceleration sensor have constant potential sites so that the sensors are maintained at set constant potentials, respectively, said constant potential site of the angular velocity sensor being electrically connected to the constant potential site of the acceleration sensor; and

a connection electrode is arranged to connect both of the constant potential site of the angular velocity sensor and the constant potential site of the acceleration sensor to an external circuit.

Claims 2-4 (canceled).

Claim 5 (currently amended): A composite sensor device according to claim 31, wherein the first environment is a vacuum state and the second environment is a damping agent which-fills the acceleration sensor space.

Claim 6 (canceled).

Claim 7 (currently amended): A composite sensor device according to any one claims 1, 2 and 5 to 6, wherein the substrate is an SOI substrate comprising a supporting layer, an oxide layer, and an active layer laminated together, and the

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displacement portion forming member is made from the active layer of the SOI substrate.

Claims 8-17 (canceled).